



IPW

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

In re application of:

MARMO ET AL.

) Group Art Unit: 3738

Serial No. 10/661,400

) Examiner: N/A

Filed: September 12, 2003

)

For: DEVICES AND METHODS FOR
IMPROVING VISION

)

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Title

Frank J. Uxa

Date

May 13, 2004

Dear Sir:

Applicant wishes to call to the attention of the Examiner the documents cited on the accompanying Form PTO-1449. No concession is made that these documents are prior art, and applicant expressly reserves the right to antedate the documents as may be appropriate. This Information Disclosure Statement is being filed before the first office action has been received from the Patent and Trademark Office in the above-identified application.

Respectfully submitted,


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Form PTO-1449 MAY 17 2004 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use Part 141 if more space is necessary)</small>		Docket No.: 4108	Application No.: 10/661,400
		Applicant: Marmo et al.	
		Filing Date: 09/12/03	Group Art Unit: 3738

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5044743	09/03/91	Ting			
	5171318	12/15/92	Gibson et al.			
	5192316	03/09/93	Ting			
	5433745	07/18/95	Graham et al.			
	5470831	11/28/95	Whitman et al.			
	5713957	02/03/98	Steele et al.			
	5827641	10/27/98	Parenteau et al.			
	5836313	11/17/98	Perez et al.			
	5994133	11/30/99	Meijs et al.			
	6284537	09/04/01	Offord Cavin et al.			
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 93/07889	04/29/93	WIPO				
	WO 94/16570	08/04/94	WIPO				
	WO 99/37752	07/29/99	WIPO				
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AA	Tsai et al., "Reconstruction of damaged corneas by transplantation of autologous limbal epithelial cells", The New England Journal of Medicine, Volume 343 #2, pg 86-93, 07/13/00.
AB	Han et al., "A fibrin-based bioengineered ocular surface with human corneal epithelial stem cells", Cornea, Vol. 21 No. 5 2002, pg 505-510.
AC	Miyajima, Hiroko., "At issue: the next generation of microkeratomes", Ocular Surgery news Europe/Asia-Pacific edition, Feb. 2002 5pgs.
AD	Ophthalmology Times, "New LASIK device: CIBA vision to market subepithelial separator", August 1, 2002.
AE	Online article, Ciba Vision website, "research and development" "Sub-epithelial Seperator", no date given.
AF	Burrill, Alicia., "Gel-Assisted Lasek", Cataract & Refractive Surgery Today, no date given.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to the applicant.

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	US2001/0047203	11/29/01	Dalton et al.			
	US2002/0007217	01/17/02	Jacob et al.			
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	AA	Nader, Nicole. "Learning a new language: understanding the terminology of waveform-guided ablation", Ocular Surgery News, Feb. 1 st 2003, found on OSN Supersite, 5 pgs.				
	AB	"Licensing agreement for automated microkeratome-based device" found online at: http://www.optical-world.co.uk/Aug%202002%20international_outlook.htm , no author given, printed on September 13, 2002.				
	AG	Shimmura et al. "Collagen-Poly (N-Isopropylacrylamide)-Based Membranes for Corneal Stroma Scaffolds", Cornea Vol. 22(Suppl. 1):S81-8.				
	AD	Shimmura et al. "Biocompatibility of Collagen-Based Blended Biomaterials" Invest Ophthalmol Vis Sci 2002;43: E-Abstract 2997 (c) 2002 ARVO.				
	AE	Jeong et al., "Thermosensitive sol-gel reversible hydrogels" Adv. Drug Deliv. Rev., 54:37-51 (2002)				
	AF	Vernon et al., "Thermally Reversible Polymer Gels for Biohybrid Artificial Pancreas" Macromol. Symp., 109:155-167 (1996)				
	AG	Stile et al., "Synthesis and Characterization of Injectable Poly(N-isopropylacrylamide)-Based Hydrogels That Support Tissue Formation in Vitro" Macromolecules, 32:7370-9 (1999)				
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	WO 04/015090	02/19/04	WIPO			
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AA	Stile et al., "Poly(<i>N</i> -isopropylacrylamide)-Based Semi-interpenetrating Polymer Networks for Tissue Engineering Applications. 1. Effects of Linear Poly(acrylic acid) Chains on Phase Behaviour" Biomacromolecules 3:591-600 (2002)					
AB	Stile et al., "Thermo-Responsive Peptide-Modified Hydrogels for Tissue Regeneration" Biomacromolecules 2:185-194 (2001)					
AC	Hicks et al., "Keratoprostheses: Advancing Toward a True Artificial Cornea" Surv. Ophthalmol. 42:175-189 (1997)					
AD	Trinkaus-Randall and Nugent, "Biological Response to a Synthetic Cornea" Controlled Release 53:205-214.					
AE	Gutowska et al., "Thermosensitive Interpenetrating Polymer Networks: Synthesis, Characterization, and Macromolecular Release" Macromolecules, 27:4167-4175 (1994).					
AF	Yoshida et al., "Comb-type Grafted Hydrogels with Rapid De-Swelling Response to Temperature Changes" Nature, 374:240-242 (1995).					
AG	Lynn & Langer, "Degradable Poly(β -amino esters): Synthesis, Characterization, and Self-Assembly with Plasmid DNA" J. Amer. Chem. Soc., 122:10761-10768 (2000)					
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